

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Claim 1 (Currently Amended): A data display system for use with field devices, comprising:

a field control station which includes a data acquisition device for reading data from field devices connected to a fieldbus; and

a computer comprising,

a description device for writing data read by said data acquisition device to definition files according to a predetermined format to create definition files that define the way the data of said field devices is displayed;

a generation device for interpreting said definition files wherein data is written to generate display data; and

a display device for displaying said generated display data on a personal computer on a network,

wherein said definition files are provided on a field device basis and

wherein said definition files comprise the following sections:

a first section which defines a way parameters that represent a hardware status of said field devices are displayed;

a second section which defines a way status regarding mandatory configurations are displayed.

Claim 2 (Canceled)

Claim 3 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 1, wherein said definition files define the way diagnostic parameters of said field devices are displayed and said display device displays the diagnostic parameters of said field devices and the statuses thereof according to definitions provided in said definition files.

Claim 4 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 1, wherein said definition files are provided on a field device basis, each of said definition files defines the way the diagnostic parameters of each of said field devices, and said display device separately displays the diagnostic parameters of a plurality of field devices and the statuses thereof on a field device basis according to definitions provided in said definition files.

Claim 5 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 1 wherein said definition files define under what conditions alarms should be displayed and said display device displays alarms present in said field devices according to definitions provided in said definition files.

Claim 6 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 1 wherein said display device has an area for setting an update interval at which

said data acquisition device reads data from said field devices and said data acquisition device reads data from said field devices at said update interval set in said update interval setting area.

Claim 7 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 6 wherein said update interval setting area is provided with a refresh button that allows said data acquisition device to read data from said field devices at a desired point in time, and said data acquisition device reads data from said field devices at said desired point in time set using said refresh button.

Claim 8 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 1 further comprising definition device for defining diagnostic parameters to be displayed on a field device basis, wherein said description device writes to said definition files according to definitions provided in said definition device.

Claim 9 (Currently Amended): A data display unit for use with field devices, comprising:
a data acquisition device for reading diagnostic parameter data from field devices connected to a fieldbus;

a description device for writing data read by said data acquisition device to definition files according to a predetermined format to create definition files that define the way the data of said field devices is displayed;

a generation device for interpreting said definition files wherein data is written to generate display data; and

a display device for displaying said generated display data on a personal computer on a network,

wherein said definition files are provided on a field device basis,

wherein said definition files comprise the following sections:

a first section which defines a way parameters that represent a hardware status of said field devices are displayed;

a second section which defines a way status regarding mandatory configurations are displayed.

Claim 10 (Currently Amended): [[A]] The data display unit for use with field devices as claimed in claim 9, wherein said data acquisition unit acquires alarm information from said field devices.

Claim 11 (New): The data display unit for use with field devices as claimed in claim 1, wherein the definition files further comprise:

a third section which defines a way parameters of optional configurations are displayed.

Claim 12 (New): The data display unit for use with field devices as claimed in claim 1, wherein the definition files further comprise:

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a fourth section which defines a way additional information is displayed.